

Montana Department of Natural Resources and Conservation
Water Resources Division
Water Rights Bureau

ENVIRONMENTAL ASSESSMENT
For Routine Actions with Limited Environmental Impact

Part I. Proposed Action Description

1. **Applicants/Contact names and addresses:**

CHARLES S. JOHNSON
520 POWER ST
HELENA, MT 59601

THOMAS Q. JOHNSON
39 JEFFERSON DR
CLANCY, MT 59634

PETER A. JOHNSON
1108 ADOBE DR
GREAT FALLS, MT 59404

SARA J. JOHNSON
708 LOLO ST
MISSOULA, MT 59802

2. **Type of action:** Surface Water Application for Beneficial Water Use Permit 76LJ 30134219

3. **Water source name:** Whitefish River (Whitefish Lake)

4. **Location affected by project:** NW Section 14, Township 31N, Range 22W, Flathead County, Montana.

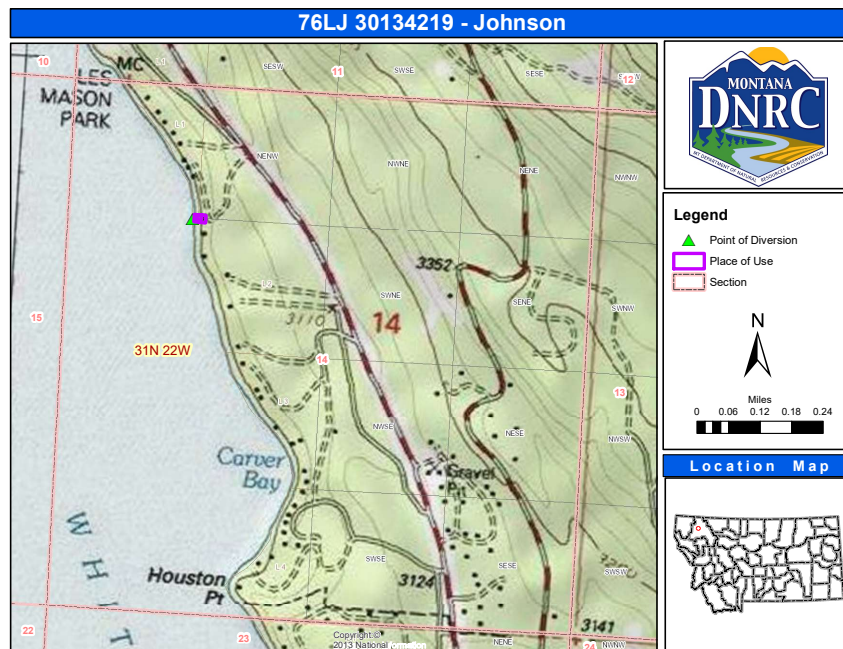


Figure 1. Map of the proposed place of use and point of diversion.

5. Narrative summary of the proposed project, purpose, action to be taken, and benefits:

The Applicants propose to divert water from the Whitefish River (Whitefish Lake), by means of a pump, from January 1 – December 31 at a rate of 20.0 gallons per minute (GPM) up to 1.33 acre-feet (AF), from a point in the NESWNW Section 14, Township 31N, Range 22W, Flathead County, Montana. The proposed uses are domestic use from January 1 – December 31 and irrigation of 0.13 acres of lawn and garden areas from April 15 – October 15. The place of use is in the WFSH LAKE SUMMER HOMES ADD1AMD Lot 018, NW Section 14, Township 31N, Range 22W, Flathead County, Montana. The point of diversion is in the Upper Flathead River Basin (76LJ), in an area that is not subject to water right basin closures or controlled groundwater area restrictions.

The DNRC shall issue a water use permit if the applicant proves the criteria in 85-2-311 MCA are met.

6. Agencies consulted during preparation of the Environmental Assessment:

- U.S. Fish and Wildlife Service (USFWS): National Wetlands Inventory Wetlands Mapper
- Montana Natural Heritage Program: Endangered, Threatened Species, and Species of Special Concern
- Montana Department of Fish Wildlife & Parks (DFWP): Dewatered Stream Information
- Montana Department of Environmental Quality (MDEQ): Clean Water Act Information Center
- U.S. Natural Resource Conservation Service (NRCS): Web Soil Survey

Part II. Environmental Review

1. Environmental Impact Checklist:

<p>PHYSICAL ENVIRONMENT</p>

WATER QUANTITY, QUALITY AND DISTRIBUTION

Water quantity - Assess whether the source of supply is identified as a chronically or periodically dewatered stream by DFWP. Assess whether the proposed use will worsen the already dewatered condition.

The Applicant plans to divert water from the Whitefish River (Whitefish Lake), which is not on the DFWP list of chronically or periodically dewatered streams.

Determination: No significant impact.

Water quality - Assess whether the stream is listed as water quality impaired or threatened by DEQ, and whether the proposed project will affect water quality.

According to the MDEQ Clean Water Act Information Center's 2018 Water Quality Information, the beneficial uses for which Whitefish Lake has been assessed are: primary contact recreation, agriculture, and aquatic life. It is listed as "fully supporting" for these uses, although the aquatic life use is "threatened," with the probable causes being mercury and polychlorinated biphenyls. Whitefish lake has not been assessed for the drinking water beneficial use. The lake's Use Class is "A-1," meaning the waters are classified as suitable for drinking, culinary, and food processing purposes after conventional treatment for removal of naturally present impurities. The Water Quality Category is "5," meaning the lake's waters have one or more beneficial use impaired or threatened, and a total maximum daily load (TMDL) plan is required to address the factors causing the impairment or threat. The proposed project will not affect water quality of Whitefish Lake.

Determination: No significant impact.

Groundwater - *Assess if the proposed project impacts ground water quality or supply. If this is a groundwater appropriation, assess if it could impact adjacent surface water flows.*

Determination: N/A, this project diverts from a surface water source.

DIVERSION WORKS - *Assess whether the means of diversion, construction and operation of the appropriation works of the proposed project will impact any of the following: channel impacts, flow modifications, barriers, riparian areas, dams, well construction.*

The Applicants propose to divert water from the Whitefish River (Whitefish Lake) at a maximum rate of 20.0 GPM while maintaining a minimum operating pressure of 20 pounds per square inch (psi) via a Sta-Rite 4-inch Submersible ¾ HP pump. The pump is suspended two feet off of the lake bed approximately 43-feet from the shoreline and will divert water from the lake through an 83-foot length of buried 1-inch PVC water line into a 42-gallon galvanized pressure tank in the basement of the residence. The pump is controlled by a Franklin Electric QD Control Box and the pressure tank's 20/40-psi pressure switch.

From the pressure tank, water is distributed to the residence for domestic uses and to three hose bibs mounted to the exterior of the residence. The Applicants will use standard garden hose and up to two portable sprinklers rated from 3.0 to 5.0 GPM to irrigate the 0.13 acres of lawn and garden area around the residence. At maximum irrigation output of 10.0 GPM, domestic uses will still be satisfied with a flow rate of 10.0 GPM, for a maximum total flow of 20.0 GPM.

The pump and conveyance works have been in place for over 30 years. It is not anticipated that this project will create any further channel impacts, flow modifications, barriers, dams, or riparian impacts to the Whitefish River (Whitefish Lake).

Determination: No significant impact.

UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES

Endangered and threatened species - *Assess whether the proposed project will impact any threatened or endangered fish, wildlife, plants or aquatic species or any "species of special*

concern," or create a barrier to the migration or movement of fish or wildlife. For groundwater, assess whether the proposed project, including impacts on adjacent surface flows, would impact any threatened or endangered species or "species of special concern."

The Montana Natural Heritage Program website was reviewed to determine if there are any threatened or endangered fish, wildlife, plants, aquatic species, or any "species of special concern" in Township 31N, Range 22W that could be impacted by the proposed project. 13 animal and 10 plant species of concern (Tables 1 and 2, respectively) were identified within the township and range where the project is located. Of these species, the Grizzly Bear (*Ursus arctos*), Canada Lynx (*Lynx canadensis*), and the Bull Trout (*Salvelinus confluentus*) are listed as threatened by the USFWS. An adequate quantity of water will still exist in the surface water source to maintain existing populations of Bull Trout, should they exist there currently. This area is already highly developed, and it is not anticipated that any species of concern will be further impacted by the proposed project.

Table 1: Animal Species of Concern

<i>Wolverine (Gulo gulo)</i>	<i>Hoary Bat (Lasiurus cinereus)</i>	<i>Canada Lynx (Lynx canadensis)</i>	<i>Little Brown Myotis (Myotis lucifugus)</i>	<i>Fisher (Pekania pennanti)</i>
<i>Grizzly Bear (Ursus arctos)</i>	<i>Pileated Woodpecker (Dryocopus pileatus)</i>	<i>Common Loon (Gavia immer)</i>	<i>Northern Alligator Lizard (Elgaria coerulea)</i>	<i>Westslope Cutthroat Trout (Oncorhynchus clarkii lewisi)</i>
<i>Pygmy Whitefish (Prosopium coulteri)</i>	<i>Bull Trout (Salvelinus confluentus)</i>	<i>Sheathed Slug (Zacoleus idahoensis)</i>		

Table 2: Plant Species of Concern

<i>Crested Shieldfern (Dryopteris cristata)</i>	<i>Beck Water-marigold (Bidens beckii)</i>	<i>Coville Indian Paintbrush (Castilleja covilleana)</i>	<i>Kalm's Lobelia (Lobelia kalmii)</i>	<i>Nagoonberry (Rubus arcticus)</i>
<i>Creeping Sedge (Carex chordorrhiza)</i>	<i>Panic Grass (Dichanthelium acuminatum)</i>	<i>Giant Helleborine (Epipactis gigantea)</i>	<i>Slender Cottongrass (Eriophorum gracile)</i>	<i>Gray Lungwort Lichen (Lobaria hallii)</i>

Determination: No significant impact.

Wetlands - Consult and assess whether the apparent wetland is a functional wetland (according to COE definitions), and whether the wetland resource would be impacted.

Determination: N/A, project does not involve wetlands or critical riparian habitats.

Ponds - For ponds, consult and assess whether existing wildlife, waterfowl, or fisheries resources would be impacted.

Determination: N/A, project does not involve ponds.

GEOLOGY/SOIL QUALITY, STABILITY AND MOISTURE - Assess whether there will be degradation of soil quality, alteration of soil stability, or moisture content. Assess whether the soils are heavy in salts that could cause saline seep.

It is not anticipated that the proposed domestic use and irrigation of approximately 0.13 acres of lawn and garden will have a negative impact on the soil quality, stability, or moisture content. The soils in the project area are Dystric Eutrochrepts, outwash substratum, formed from outwash parent material. Dystric Eutrochrepts have moderately high to high capacity to transmit water. Soils within the place of use are not likely susceptible to saline seep.

Determination: No significant impact.

VEGETATION COVER, QUANTITY AND QUALITY/NOXIOUS WEEDS - Assess impacts to existing vegetative cover. Assess whether the proposed project would result in the establishment or spread of noxious weeds.

Building construction and landscaping, and thus any impact to existing vegetation, has already occurred on the property. It is not anticipated that issuance of a water use permit will contribute to the establishment or spread of noxious weeds in the project area. Noxious weed prevention and control will be the responsibility of the landowners, who must follow local noxious weed regulations.

Determination: No significant impact.

AIR QUALITY - Assess whether there will be a deterioration of air quality or adverse effects on vegetation due to increased air pollutants.

There will be no impact to air quality associated with issuance of the proposed permit for beneficial use of surface water.

Determination: No significant impact.

HISTORICAL AND ARCHEOLOGICAL SITES - Assess whether there will be degradation of unique archeological or historical sites in the vicinity of the proposed project if it is on State or Federal Lands. If it is not on State or Federal Lands simply state NA-project not located on State or Federal Lands.

Determination: N/A, project not located on State or Federal Lands.

DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AND ENERGY - Assess any other impacts on environmental resources of land, water, and energy not already addressed.

All impacts to land, water, and energy have been identified and no further impacts are anticipated.

Determination: No significant impact.

HUMAN ENVIRONMENT

LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS - *Assess whether the proposed project is inconsistent with any locally adopted environmental plans and goals.*

The project is consistent with planned land uses.

Determination: No significant impact.

ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES - *Assess whether the proposed project will impact access to or the quality of recreational and wilderness activities.*

The proposed project will not inhibit, alter, or impair access to present recreational opportunities in the area. The project is not expected to create any significant pollution, noise, or traffic congestion in the area that may alter the quality of recreational opportunities. The proposed place of use and diversion do not exist on land designated as wilderness.

Determination: No significant impact.

HUMAN HEALTH - *Assess whether the proposed project impacts human health.*

No negative impact on human health is anticipated from this proposed use.

Determination: No significant impact.

PRIVATE PROPERTY - *Assess whether there are any government regulatory impacts on private property rights.*

Yes ___ No X If yes, analyze any alternatives considered that could reduce, minimize, or eliminate the regulation of private property rights.

Determination: No impact.

OTHER HUMAN ENVIRONMENTAL ISSUES - *For routine actions of limited environmental impact, the following may be addressed in a checklist fashion.*

Impacts on:

(a) Cultural uniqueness and diversity? None identified.

(b) Local and state tax base and tax revenues? None identified.

- (c) Existing land uses? None identified.
- (d) Quantity and distribution of employment? None identified.
- (e) Distribution and density of population and housing? None identified.
- (f) Demands for government services? None identified.
- (g) Industrial and commercial activity? None identified.
- (h) Utilities? None identified.
- (i) Transportation? None identified.
- (j) Safety? None identified.
- (k) Other appropriate social and economic circumstances? None identified.

2. *Secondary and cumulative impacts on the physical environment and human population:*

Secondary Impacts: None identified.

Cumulative Impacts: None identified.

3. *Describe any mitigation/stipulation measures:*

None.

4. *Description and analysis of reasonable alternatives to the proposed action, including the no action alternative, if an alternative is reasonably available and prudent to consider:*

The only alternative to the proposed action would be the no action alternative. The no action alternative would not authorize the diversion of water from the Whitefish River (Whitefish Lake).

Part III. Conclusion

1. *Preferred Alternative*

Issue a water use permit if the Applicants prove the criteria in 85-2-311 MCA are met.

2. *Comments and Responses*

None.

3. *Finding:*

Yes ___ No **X** Based on the significance criteria evaluated in this EA, is an EIS required?

If an EIS is not required, explain why the EA is the appropriate level of analysis for this proposed action:

No significant impacts related to the proposed project have been identified.

Name of person(s) responsible for preparation of EA:

Name: Travis Wilson

Title: Water Resource Specialist

Date: March 26, 2020